

Message Text

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PAGE 01 MOSCOW 06375 101455Z
ACTION EUR-12

INFO OCT-01 ISO-00 FEA-01 AID-05 CEA-01 CIAE-00
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R 100905Z MAY 77
FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC 7168
INFO ERDA WASHDC
ERDA GERMANTOWN MD

UNCLAS MOSCOW 6375

EURDA FOR HILL

E.O. 11652: N/A
TAGS: TGEN, ENRG, PFOR, US, US
SUBJECT: US-USSR ENERGY AGREEMENT: SUPERCONDUCTING TRANSMISSION:
HEAT TRANSFER AND FUEL FLOW (08.020703)

1. DURING 28 APRIL MEETING AT MINPOWER, SOVIETS PROVIDED
LETTER DATED 15 APRIL FOR BIRMINGHAM FROM YEROSHENKO. INFORMAL
TRANSLATION FOLLOWS: BEGIN QUOTE: I HAVE ONLY NOW BEEN
ABLE TO REPLY TO YOUR LETTER OF DECEMBER 17, 1976, BECUASE
WE HAVE JUST GOTTEN INFORMATION ABOUT THE READINESS OF OUR
EXPERIMENTAL FACILITY FOR JOINT EXPERIMENTS.

SINCE OUR LAST VISIT IN BOULDER IN 1976, WE HAVE
BEEN TRYING ON YOUR PROPOSALS TO CARRY OUT EXPERIMENTS AT HIGH
VALUES OF THE GRASHOF NUMBER AND UNDER CONDITIONS OF STRATIFICATION
OF HELIUM FLOW. THIS REQUIRED SUBSTANTIAL CHANGES IN THE
CIRCUIT AND STRUCTURE OF OUR LABORATORY STAND, MAINLY BECAUSE
OF A LARGE DIAMETER OF THE CHANNEL AND A HIGHER RATE OF HELIUM
FLOW. PRESENTLY THE STATE OF AFFAIRS IS SUCH THAT THE STAND
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WILL BE READY FOR EXPERIMENTS IN THE THIRD QUARTER OF 1977.
AS FOR THERMOPHYSICAL EXPERIMENTS WITH THE
CRYOGENIC CABLE MODEL, A NUMBER OF ENGINEERING PROBLEMS
DO NOT ALLOW TO COUNT FOR THE PRESENT ON CONDUCTING PRECISE
INVESTIGATIONS.

THUS, I REGRET TO STATE THAT WE SHALL NOT BE READY TO

RECEIVE AMERICAN SPECIALISTS IN MAY-JUNE 1977. CONSIDERING YOUR READINESS TO DISCUSS OTHER ACCEPTABLE DATES OF THE VISIT OF AMERICAN SPECIALISTS TO ENIN (THE STATE RESEARCH INSTITUTE OF ENERGETICS), I THINK THAT SUCH A VISIT COULD TAKE PLACE IN THE THRID QUARTER OF 1977. DURING YOUR VISIT TO MOSCOW THIS SUMMER YOU COULD LEARN ABOUT THE STATE OF PREPARATION OF THE EXPERIMENTAL FACILITIES OF OUR LABORATORY AND COULD MAKE SUGGESTIONS CONCERNING AN ACCEPTABLE DATE OF VISIT.

I WOULD LIKE TO NOTE THAT YOUR PROPOSALS CONCERNING THE VISITS OF THE AMERICAN SPECIALISTS IN 1978 SEEM QUITE ACCEPTABLE. FOR MY PART, I SHOULD LIKE TO SUBMIT A PROPOSAL CONCERNING THE SOVIET SPECIALISTS' VISIT TO NBS IN 1978 TO INVESTIGATE TRANSITIONAL HEAT EXCHANGE AND HYDRAULIC RESISTANCE AT DR. DENY'S EXPERIMENTAL INSTALLATIONS.

I HOPE THIS SUMMER IN MOSCOW WE SHALL DISCUSS THESE AND OTHER QUESTIONS CONCERNING COOPERATION BETWEEN SPECIALISTS OF OUR COUNTRIES IN THE FIELD OF HYDRODYNAMIC AND HELIUM HEAT EXCHANGE IN SUPERCONDUCTIVE POWER OF TRANSMISSION LINES. END QUOTE. ORIGINAL OF LETTER CARRIED BY SCICOUNS TO ERDA. COPY HAS BEEN POUCHED EUR/SOV/EXCHANGES. TOON

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Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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